



App No.: 09/901,079

Docket No.: 8733.464.00-US

Inventor: Dong-Hoon Lee et al.

Title: IN-PLANE SWITCHING LIQUID CRYSTAL DISPLAY DEVICE AND
METHOD FOR FABRICATING THE SAME

ANNOTATED SHEET 1 of 5

FIG. 1
[(RELATED ART)] -- Prior Art --

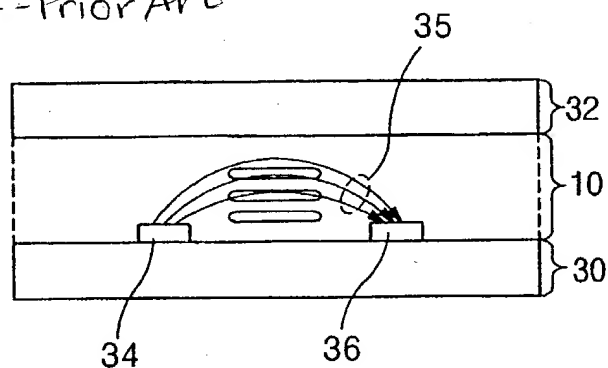


FIG. 2
[(RELATED ART)]
-- Prior Art --

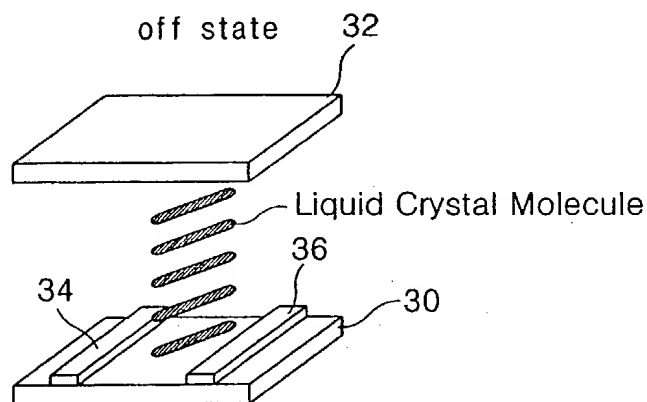
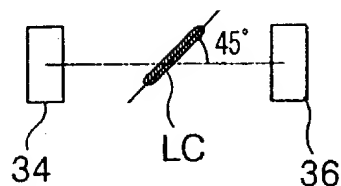


FIG. 3
[(RELATED ART)]
-- Prior Art --





App No.: 09/901,079

Docket No.: 8733.464.00-US

Inventor: Dong-Hoon Lee et al.

Title: IN-PLANE SWITCHING LIQUID CRYSTAL DISPLAY DEVICE AND
METHOD FOR FABRICATING THE SAME

ANNOTATED SHEET 2 of 5

FIG. 4
[(RELATED ART)]

-- Prior Art --

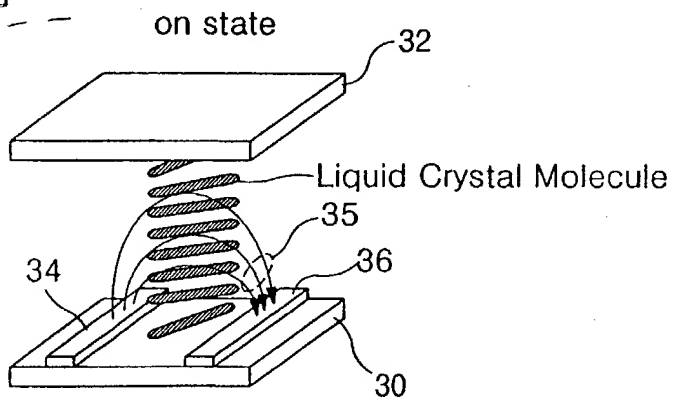


FIG. 5
[(RELATED ART)]

-- Prior Art --

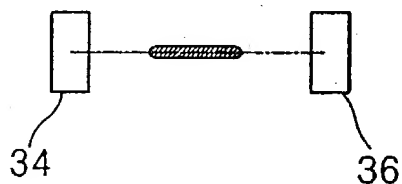




FIG. 6
[(RELATED ART)]
-- Prior Art --

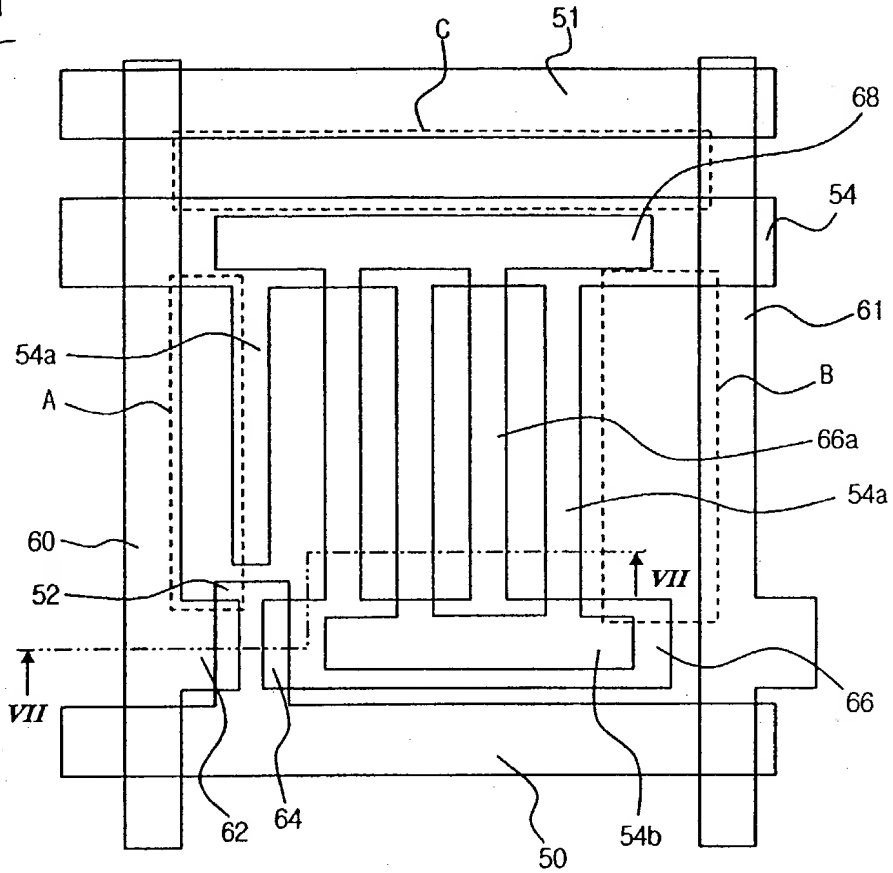


FIG. 7A
[(RELATED ART)] -- Prior Art --

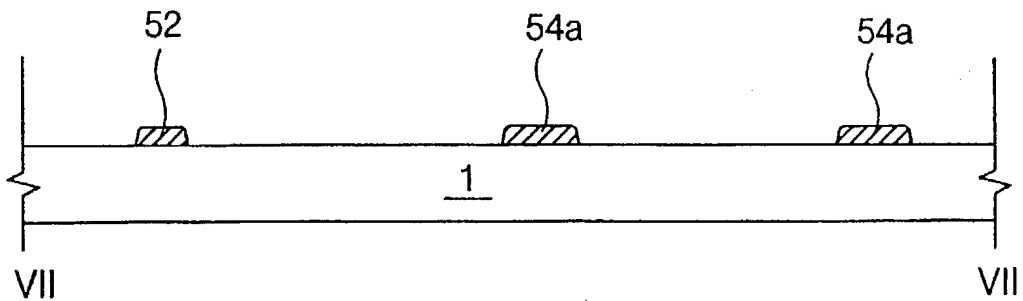
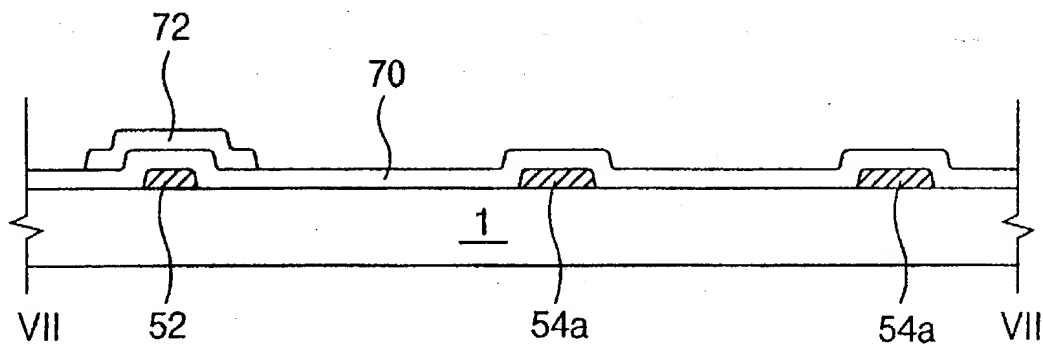
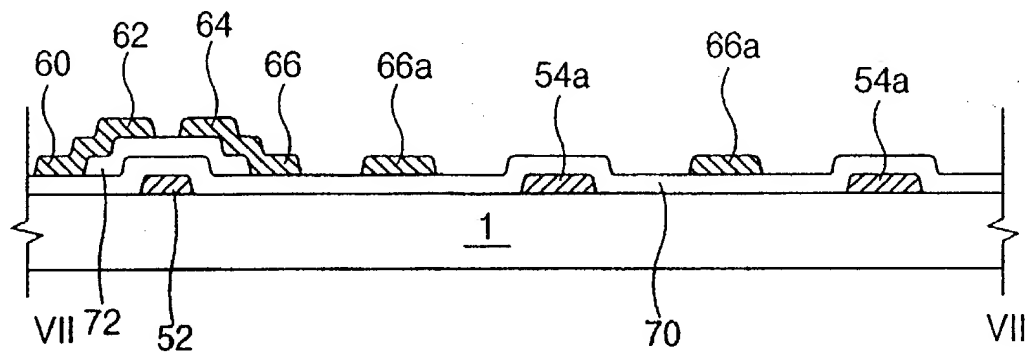
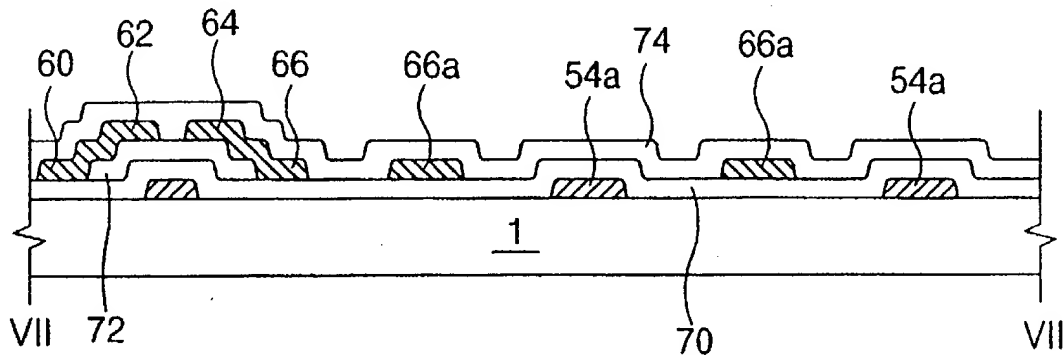
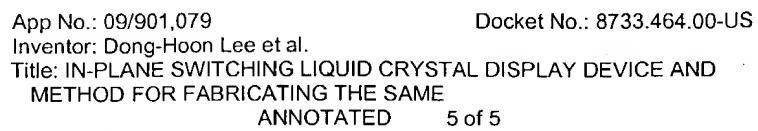


FIG. 7B
[(RELATED ART)] --Prior Art--FIG. 7C
[(RELATED ART)] --Prior Art--FIG. 7D
[(RELATED ART)] --Prior Art--



This cross-sectional view shows a semiconductor device with a substrate 1 and a top layer 136. Four V-shaped openings 130a, 130b, 130c, and 130d are formed in the top layer 136, with their tips reaching the substrate 1. The side walls of these openings are labeled 131. The openings are separated by regions 132. At the bottom of each opening, there is a layer 130b. The device is bounded by regions 200 and 201, which are separated from the main structure by regions 136. The horizontal axis is labeled X.

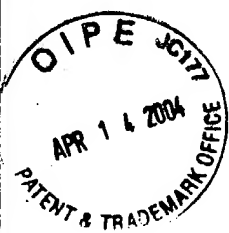


FIG.1
(PRIOR ART)

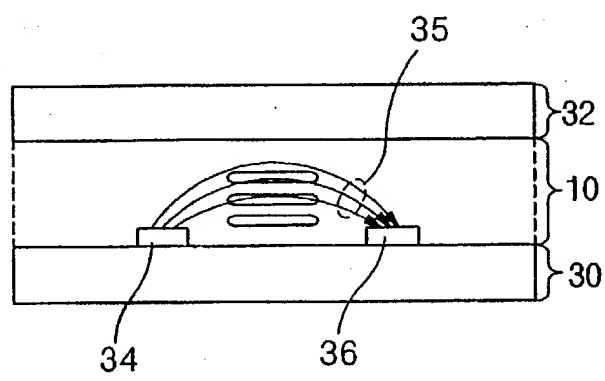


FIG.2
(PRIOR ART)

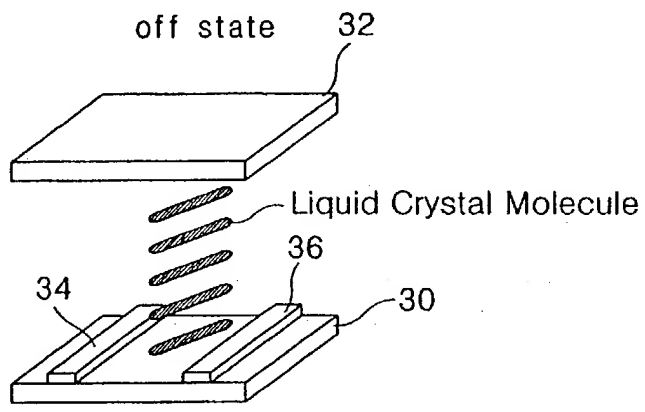
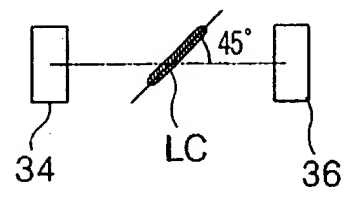


FIG.3
(PRIOR ART)





App No.: 09/901,079

Docket No.: 8733.464.00-US

Inventor: Dong-Hoon Lee et al.

Title: IN-PLANE SWITCHING LIQUID CRYSTAL DISPLAY DEVICE AND
METHOD FOR FABRICATING THE SAME

REPLACEMENT 2 of 5

FIG. 4
(PRIOR ART)

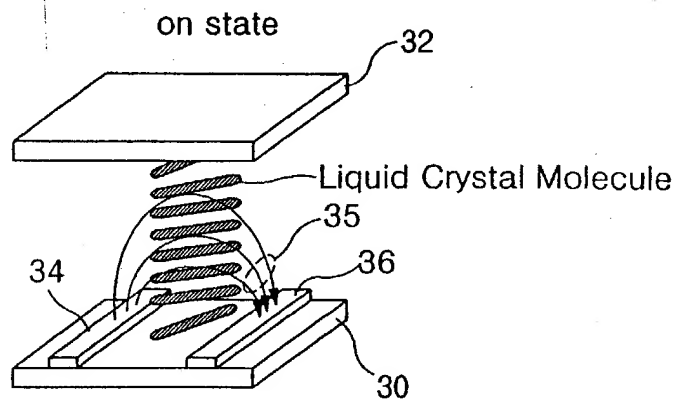
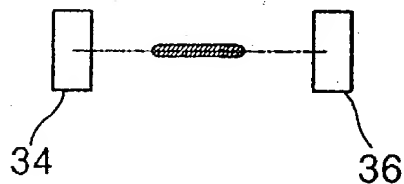
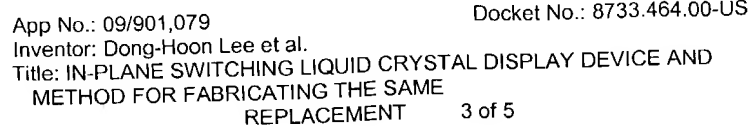


FIG. 5
(PRIOR ART)





A cross-sectional view of a substrate assembly. A central horizontal layer, labeled 1, is shown. Above this layer, there are three solder bumps. The leftmost bump is labeled 52, and the two bumps to its right are both labeled 54a. The entire assembly is bounded by vertical lines on the left and right, both labeled VII. The solder bumps are depicted with diagonal hatching.



FIG. 7B
(PRIOR ART)

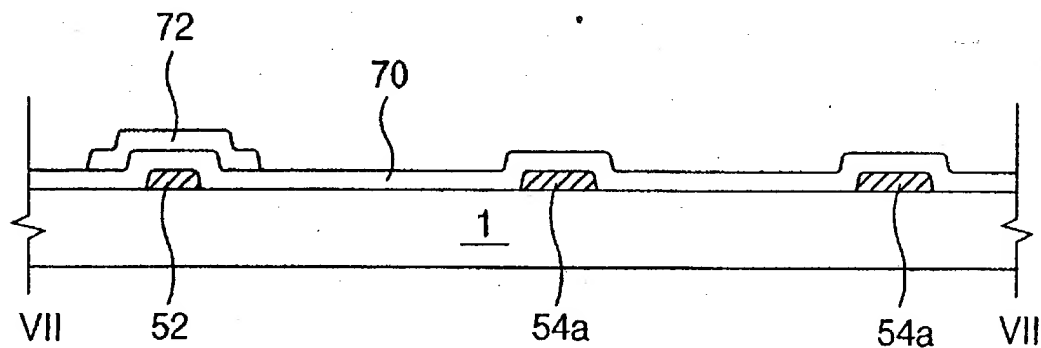


FIG. 7C
(PRIOR ART)

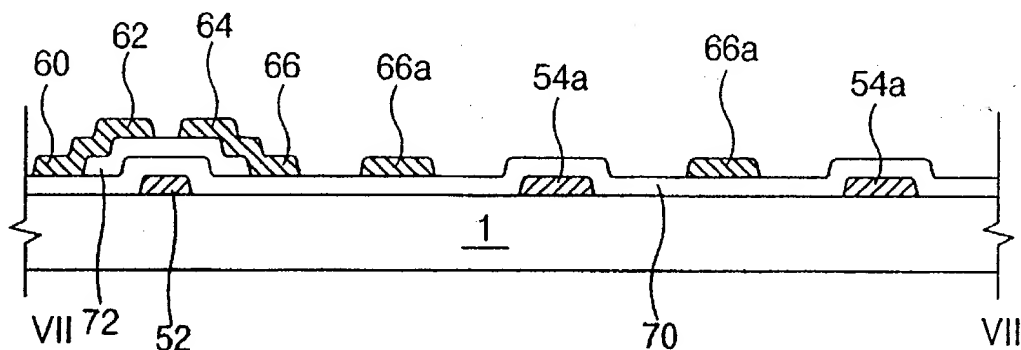
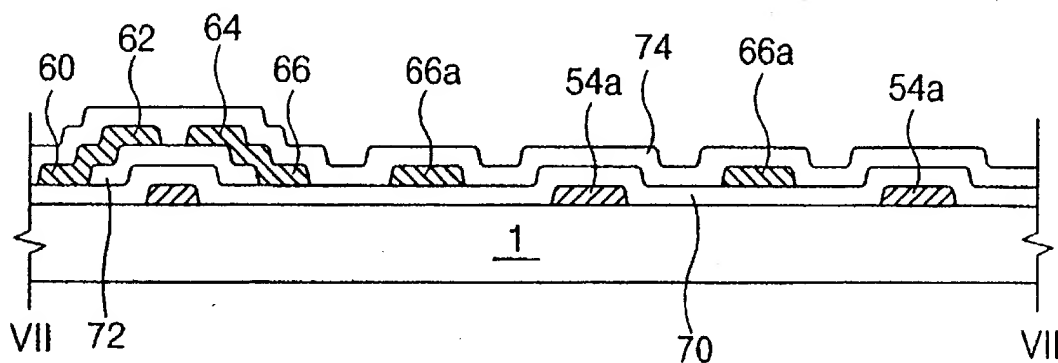
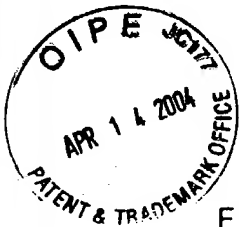


FIG. 7D
(PRIOR ART)





App No.: 09/901,079

Docket No.: 8733.464.00-US

Inventor: Dong-Hoon Lee et al.

Title: IN-PLANE SWITCHING LIQUID CRYSTAL DISPLAY DEVICE AND

METHOD FOR FABRICATING THE SAME

REPLACEMENT 5 of 5

FIG. 10C

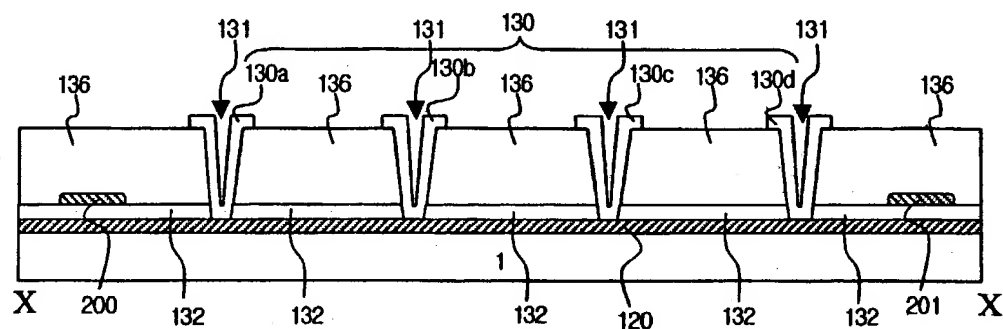


FIG. 10D

